

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082919\  
 Data File : BM022420.D  
 Acq On : 29 Aug 2019 22:36  
 Operator : HP/JU  
 Sample : K4596-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EB-5-082819

Quant Time: Aug 30 08:18:04 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 29 16:51:32 2019  
 Response via : Initial Calibration

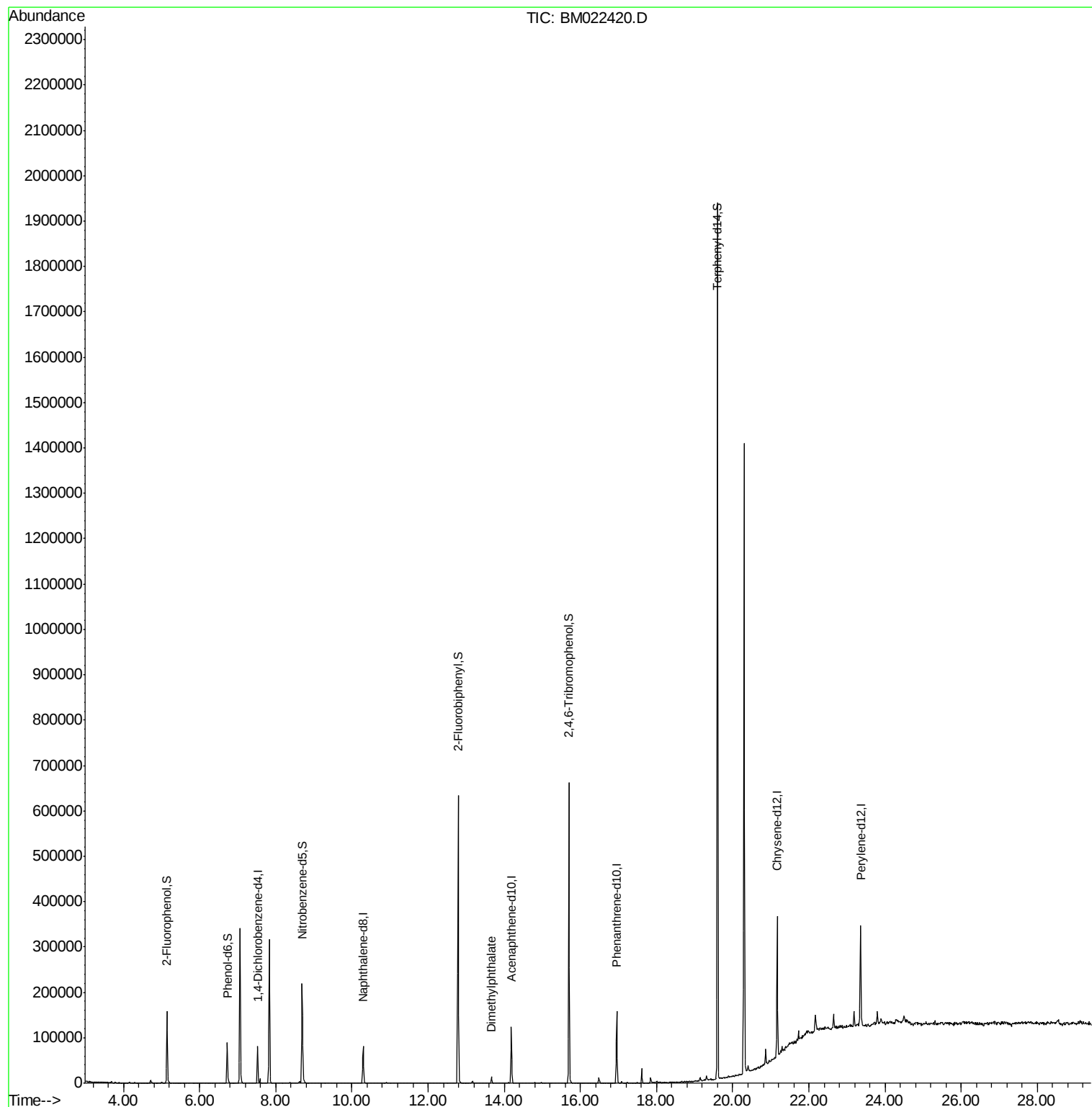
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.52  | 152  | 18192    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.30 | 136  | 63842    | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 14.19 | 164  | 40246    | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 16.96 | 188  | 91745    | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 21.17 | 240  | 130760   | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 23.36 | 264  | 150895   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.15  | 112  | 56120    | 54.15  | ng    | 0.00           |
| 7) Phenol-d6                | 6.72  | 99   | 43191    | 31.16  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 8.69  | 82   | 123426   | 84.68  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 15.70 | 330  | 100617   | 122.18 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 12.79 | 172  | 285409   | 80.34  | ng    | 0.00           |
| 79) Terphenyl-d14           | 19.60 | 244  | 753407   | 76.04  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 50) Dimethylphthalate       | 13.67 | 163  | 10402    | 2.972  | ng    | Qvalue<br># 93 |

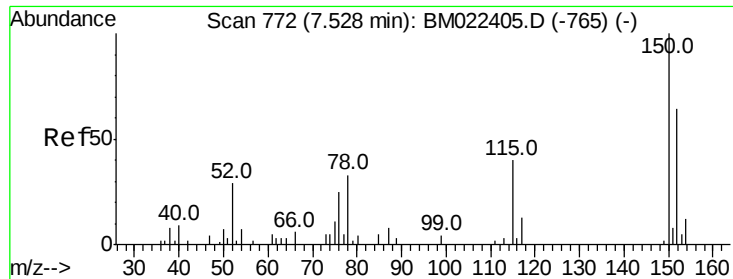
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 29 16:51:32 2019  
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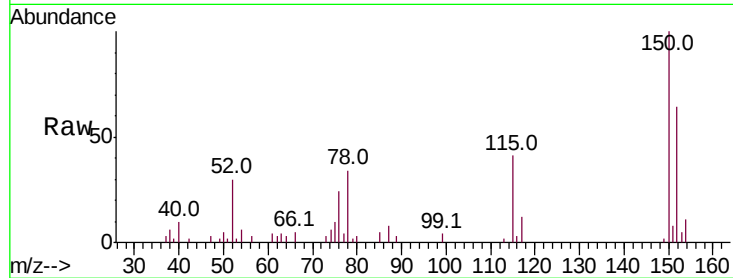


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.52 min Scan# 771  
 Delta R.T. -0.01 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

Instrument :  
 BNA\_M  
 ClientSampleID :  
 EB-5-082819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.7 | 125.4 | 188.0 |
| 115     | 64.4  | 50.3  | 75.5  |

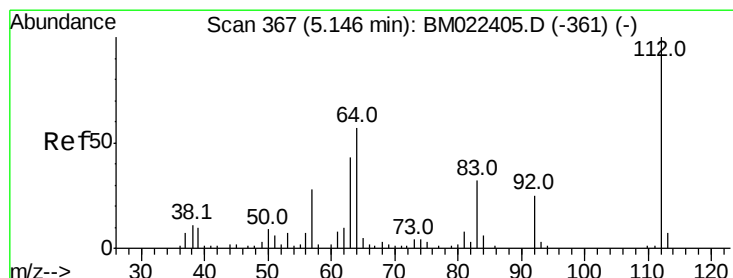
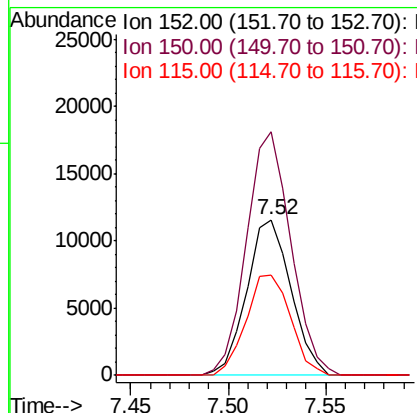
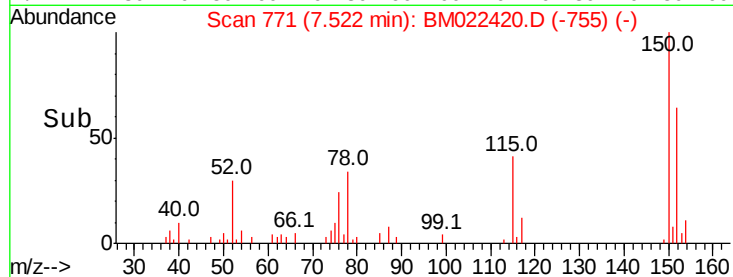


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

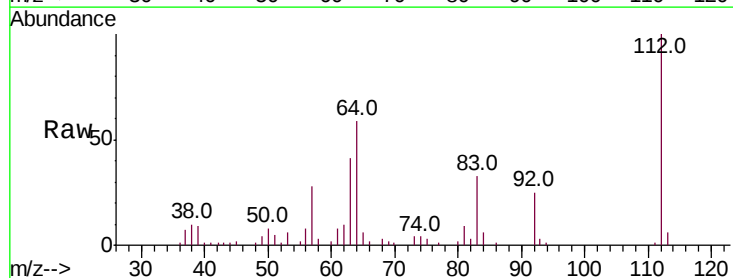
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 54.150 ng  
 RT: 5.15 min Scan# 367  
 Delta R.T. -0.00 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.2  | 45.4  | 68.2  |
| 63      | 41.5  | 34.5  | 51.7  |

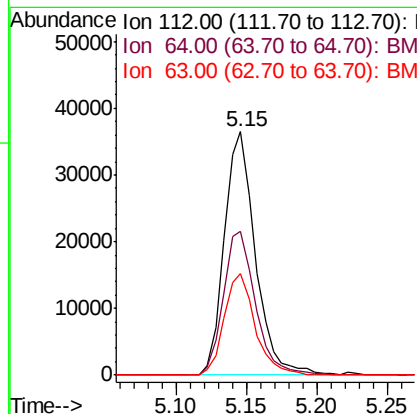
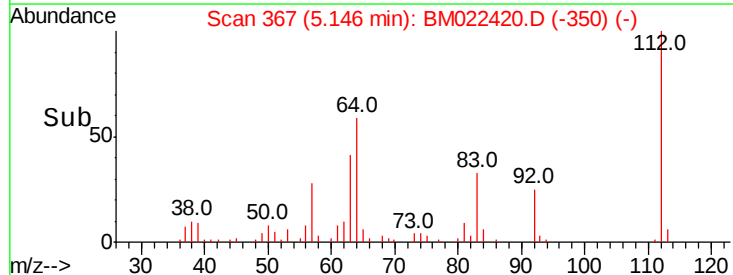


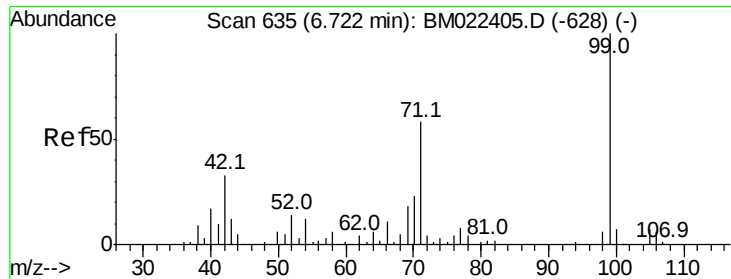
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 31.164 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022420.D

Acq: 29 Aug 2019 22:36

Instrument :

BNA\_M

ClientSampleId :

EB-5-082819

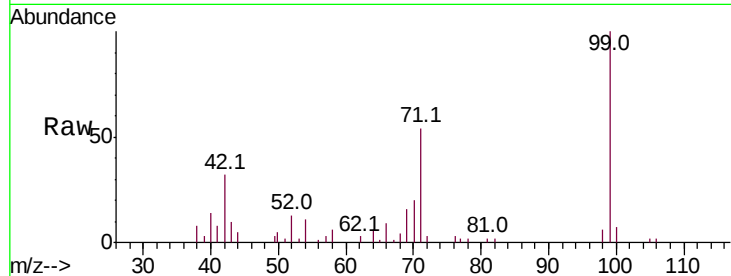
Tot Ion: 99 Resp: 43191

Ion Ratio Lower Upper

99 100

42 32.0 26.3 39.5

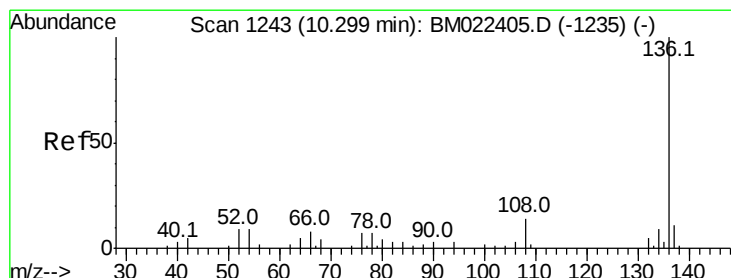
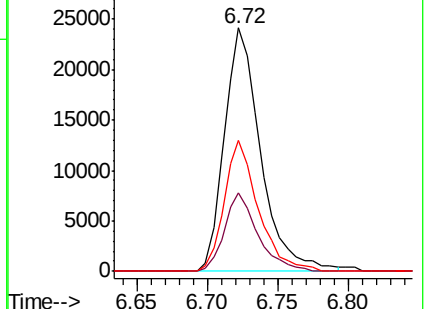
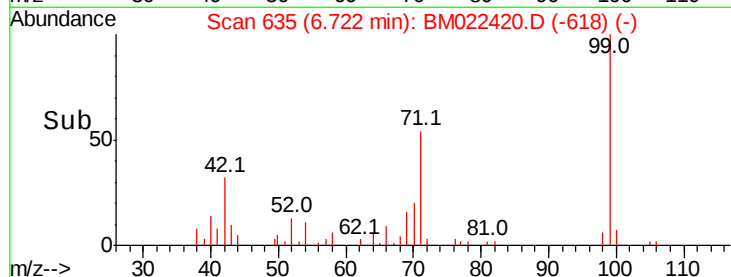
71 53.5 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BM022420.D

Acq: 29 Aug 2019 22:36

Tgt Ion: 136 Resp: 63842

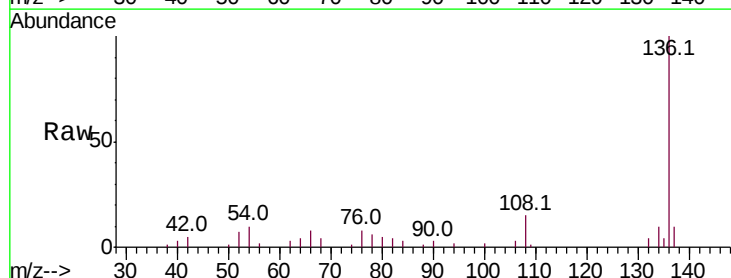
Ion Ratio Lower Upper

136 100

137 9.7 8.6 13.0

54 9.9 7.0 10.6

68 4.1 2.9 4.3

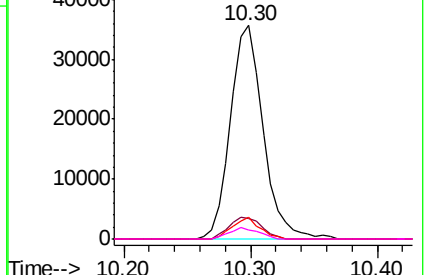
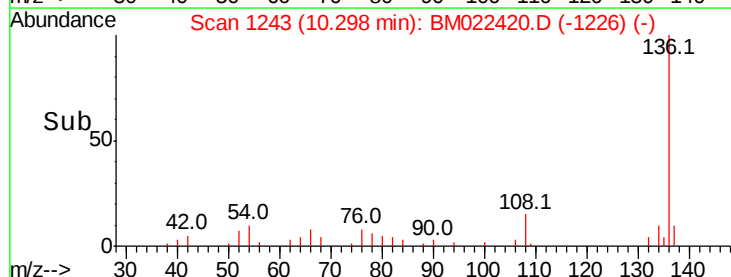


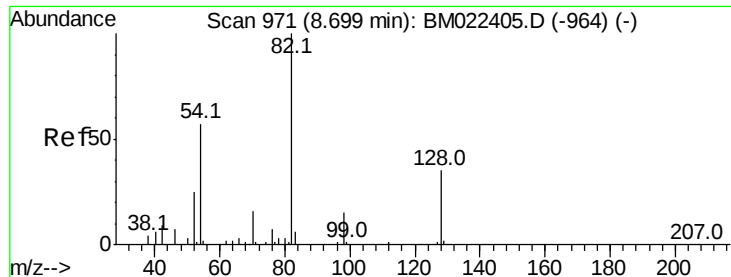
Abundance Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM022405.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM022405.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM022405.D (-1235) (-)

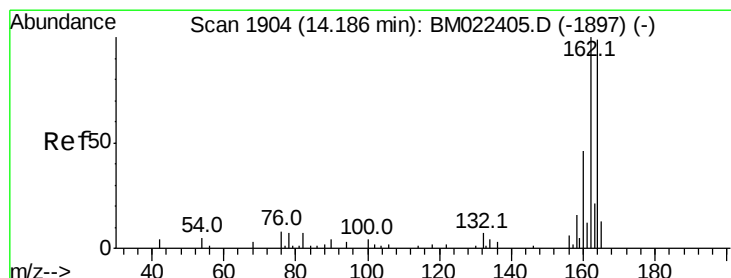
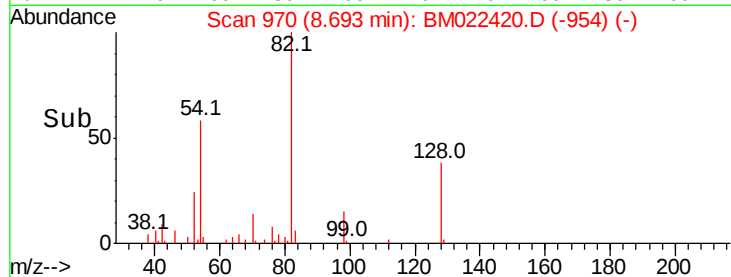
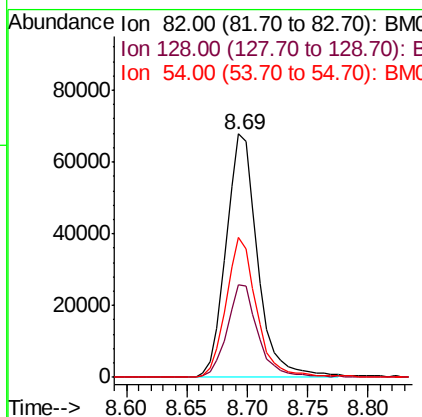
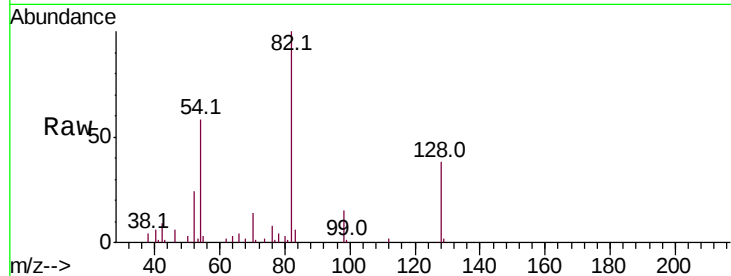




#23  
 Nitrobenzene-d5  
 Concen: 84.679 ng  
 RT: 8.69 min Scan# 970  
 Delta R.T. -0.01 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

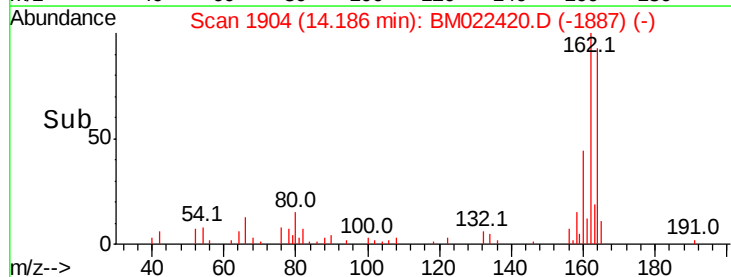
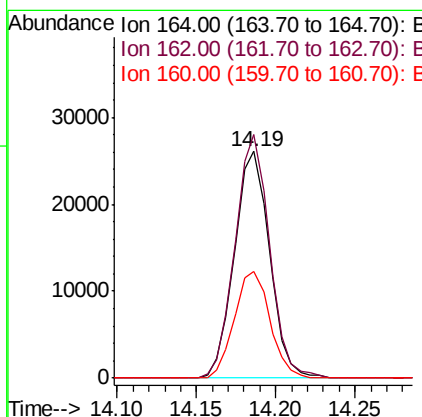
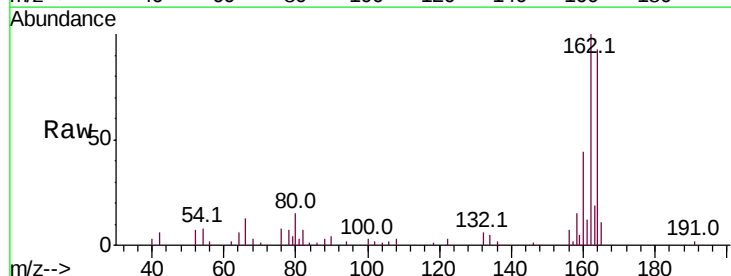
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EB-5-082819

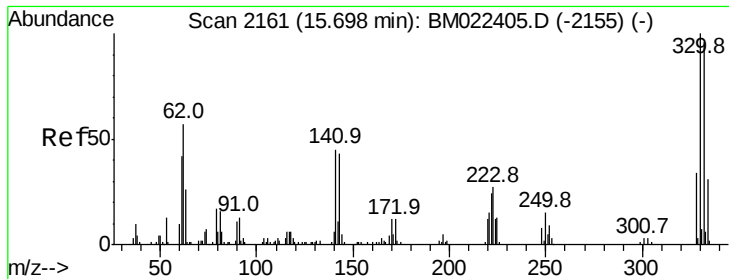
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.3  | 27.9  | 41.9  |
| 54      | 57.6  | 45.2  | 67.8  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.19 min Scan# 1904  
 Delta R.T. -0.00 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.5 | 80.6  | 121.0 |
| 160     | 46.9  | 37.3  | 55.9  |

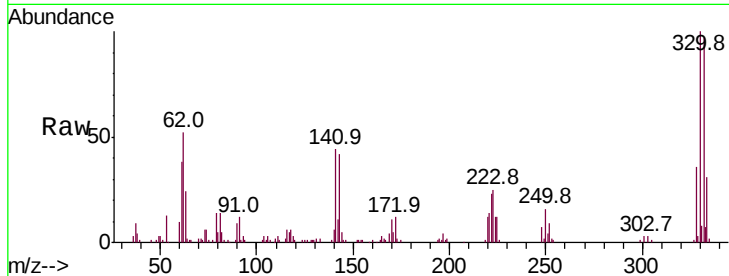




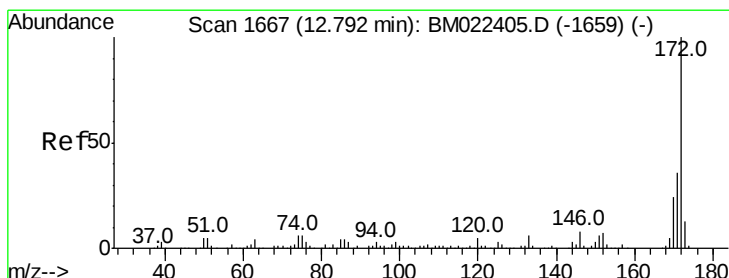
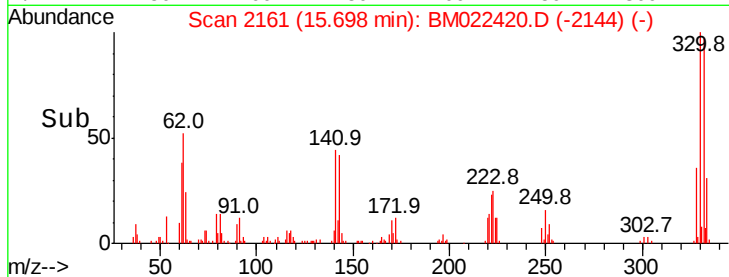
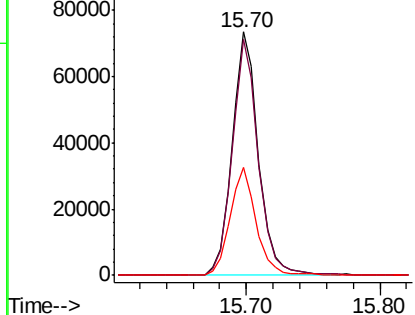
#42  
 2,4,6-Tribromophenol  
 Concen: 122.176 ng  
 RT: 15.70 min Scan# 2161  
 Delta R.T. -0.00 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

Instrument :  
 BNA\_M  
 ClientSampleID :  
 EB-5-082819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.8  | 116.8 |
| 141     | 43.9  | 35.6  | 53.4  |

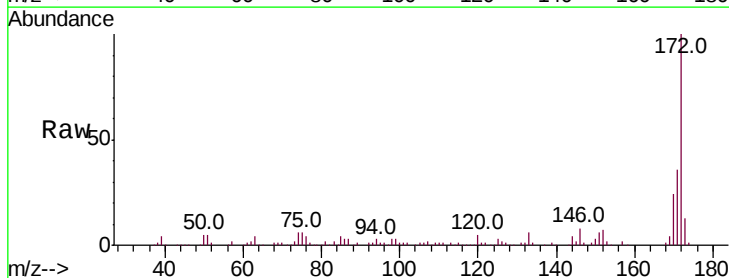


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

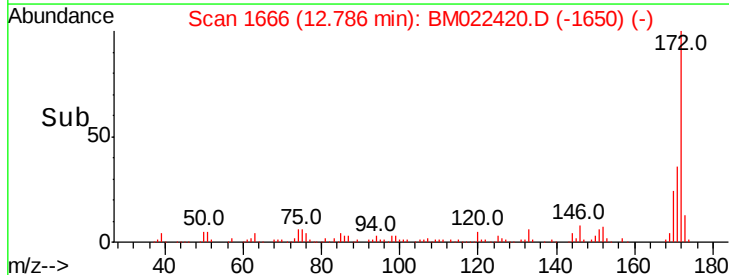
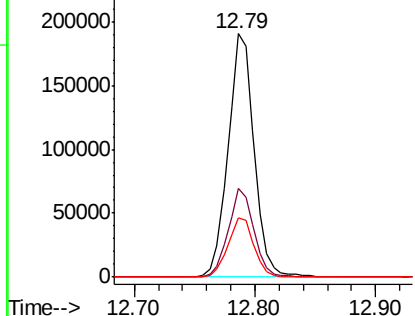


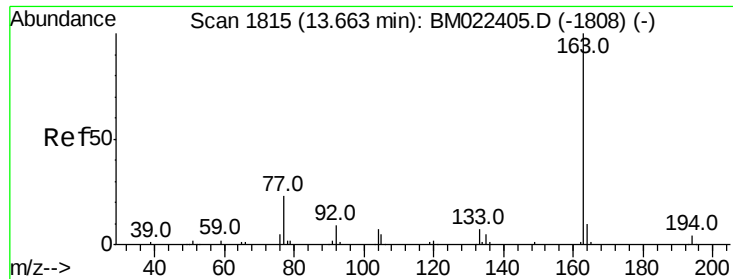
#45  
 2-Fluorobiphenyl  
 Concen: 80.337 ng  
 RT: 12.79 min Scan# 1666  
 Delta R.T. -0.01 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 28.5  | 42.7  |
| 170     | 24.2  | 18.9  | 28.3  |



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.972 ng

RT: 13.67 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM022420.D

Acq: 29 Aug 2019 22:36

Instrument :

BNA\_M

ClientSampleId :

EB-5-082819

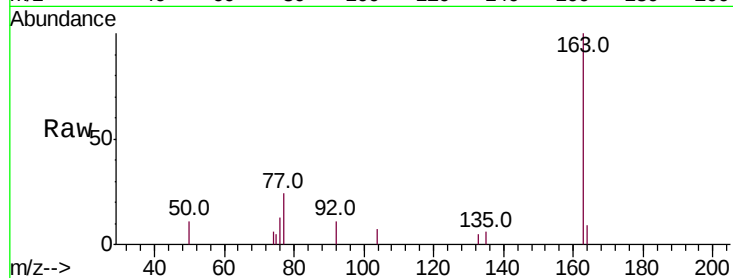
Tot Ion:163 Resp: 10402

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

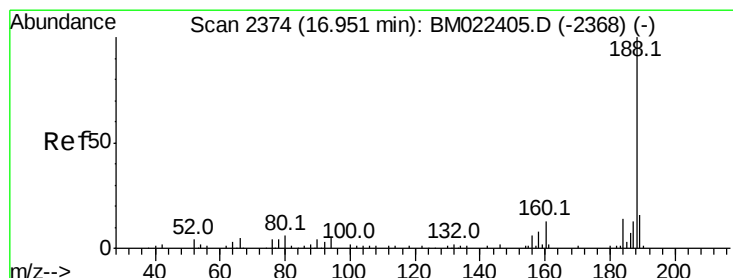
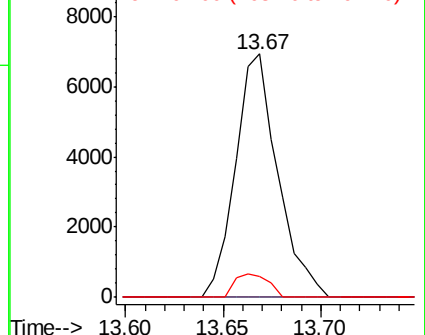
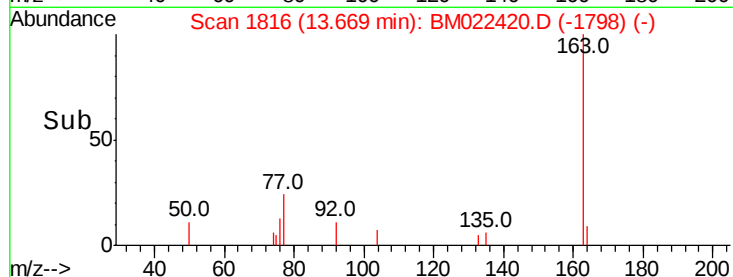
164 8.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2375

Delta R.T. 0.01 min

Lab File: BM022420.D

Acq: 29 Aug 2019 22:36

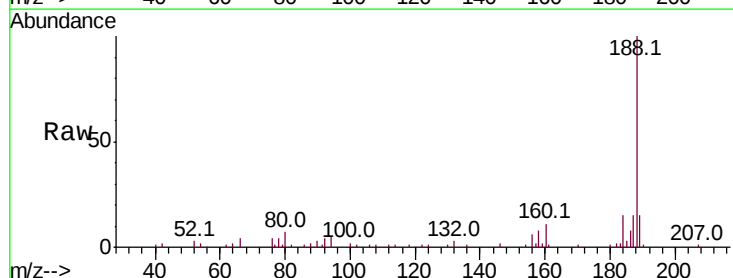
Tgt Ion:188 Resp: 91745

Ion Ratio Lower Upper

188 100

94 5.5 4.4 6.6

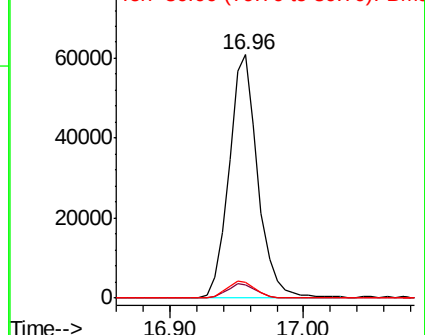
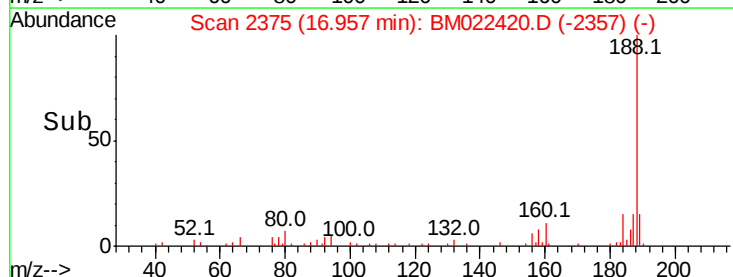
80 6.5 5.0 7.6

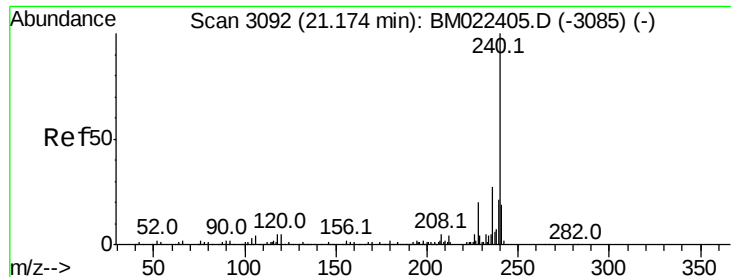


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BM022420.D

Acq: 29 Aug 2019 22:36

Instrument :

BNA\_M

ClientSampleId :

EB-5-082819

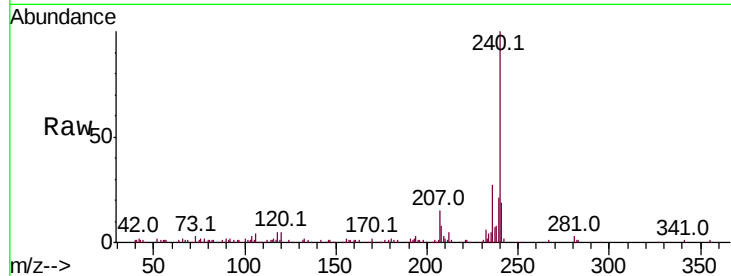
Tot Ion:240 Resp: 130760

Ion Ratio Lower Upper

240 100

120 5.2 3.9 5.9

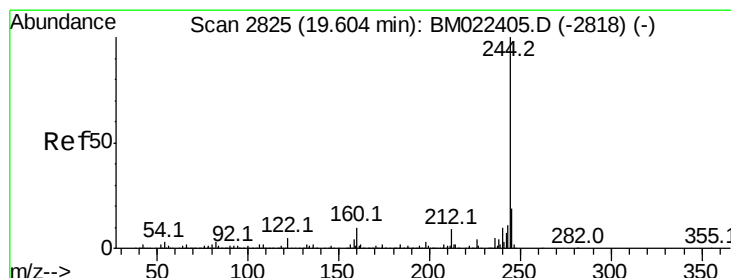
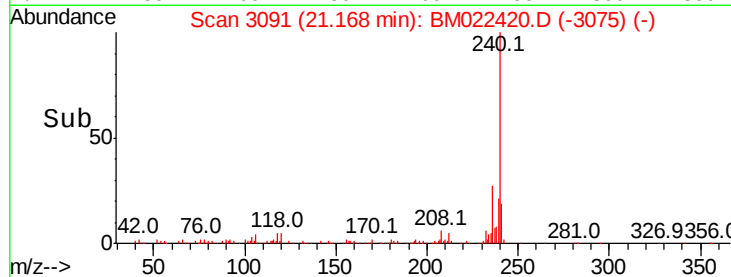
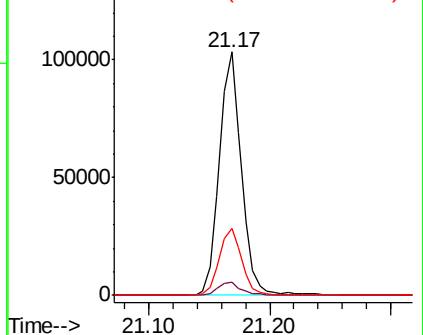
236 27.4 21.4 32.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79

Terphenyl-d14

Concen: 76.041 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022420.D

Acq: 29 Aug 2019 22:36

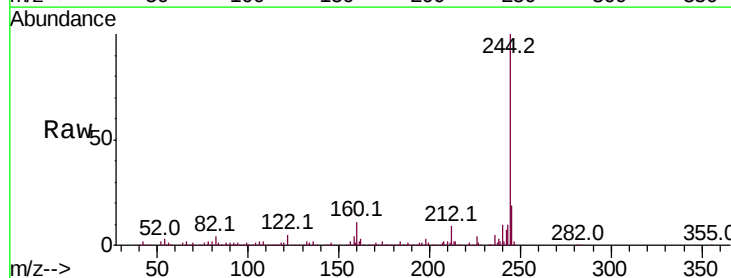
Tgt Ion:244 Resp: 753407

Ion Ratio Lower Upper

244 100

212 8.6 7.0 10.4

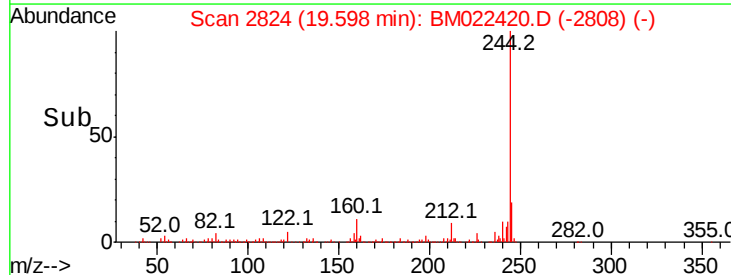
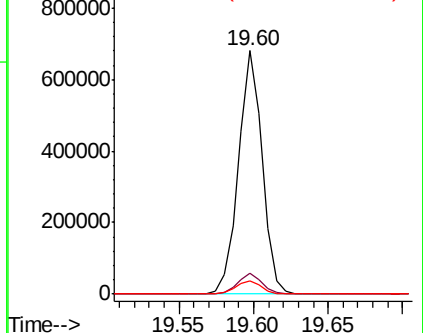
122 5.5 3.9 5.9

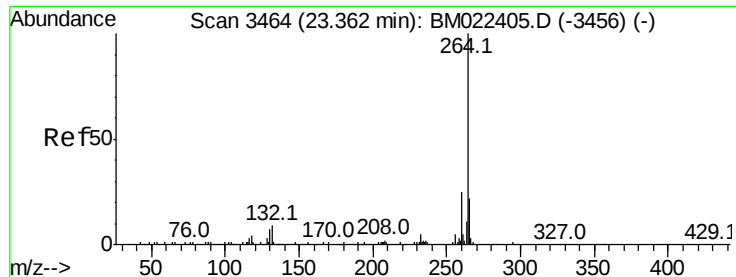


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

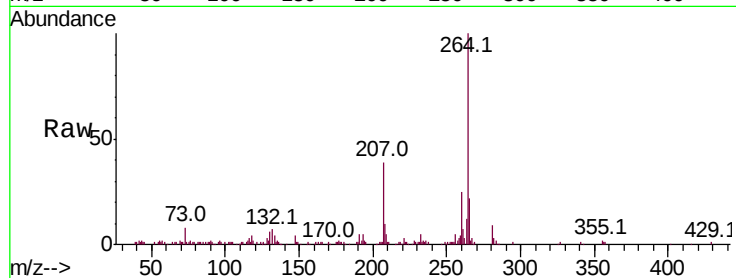




#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 23.36 min Scan# 3463  
 Delta R.T. -0.01 min  
 Lab File: BM022420.D  
 Acq: 29 Aug 2019 22:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EB-5-082819

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.7  | 20.2  | 30.2  |
| 265     | 22.3  | 18.2  | 27.2  |



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

